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PRINCIPAL INVESTIGATOR: Arba L. Ager, Ph.D.

CONTRACTING ORGANIZATION: University of Miami
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University of Miami
Miami, Florida 33101

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Arba L. Ager, Jr., Ph.D. May 1998

PI - Signature Date

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Final Report

Evaluation of Antimalarial Agents
DAMD 17-94-V-4001
Period covering 12/28/93 – 12/14/93 (extended to 6/14/94)

There were 447 compounds tested in the Rane test (mm Test System) against *Plasmodium berghei* in mice for blood schizonticidial activity. Twenty-two of these compounds were active.

In the Secondary Test System (Experiments 762-824), we tested selected active compounds in a variety of tests.

Arteether, a tetraoxane (WR 148999) and a Qinghaosu analog (not metabolized to the active metabolite – dihydroartemisinin) were given daily for 14 days to check for toxicity. The tetraoxane was not toxic while the other 2 compounds were toxic.

Chloroquine, halofantrine, and WR 148999 were given once on either day 3, -2, -1, one to check for duration of activity. WR148999 protected the mice for a longer time period than the other drugs.

Several antibiotics (Azithromycin, Norfloxacin, Ciprofloxacin, Roxithromycin, Ofloxacin and clarithromycin) were tested SC & PO against the drug-sensitive MM line of *P. berghei*. Azithromycin was the most active antibiotic of those tested in the Thompson Test. An antitubulin compound (Triflurlin) was tested SC & IP in DMSO in the Thompson Test and exhibited slight antimalarial activity.

Chloroquine and halofantrine did not exhibit any cross resistance with Qinghaosu when tested against Qinghaosu-resistant parasites.

Primaquine and Chloroquine were tested against the WR 238605-resistant line and Primaquine exhibited some cross resistance.

Several compounds (WR 102796, WR 228258, BL 20630, BL 21100, WR 234251, BM 19561, BM 19589, BM 19598, BM 19543, BM 19570, BN 34367, BN 34385, BM 19614, BH 13998, BH 35430, BH 30373, BH 38986, BH 30999 and ZP 32964) were tested via either the SC or PO route or by both routes in the regular Thompson Test against drug-sensitive parasites. WR 228258 was the most active of these compounds tested.

Several drug combination tests were performed to detect synergistic activity in the Thompson Test. These included Azithromycin plus either Halofantrine, Quinine, Qinghaosu or Primaquine. No synergistic activity was detected with any of these combinations.

MICRONIZED VS. NON-MICRONIZED DIHYDRO QHS AND NON-MICRONIZED WR 169626 TESTED IN MICE INFECTED WITH PLASMODIUM BERGHEI (MM-LINE) EXPRIMENT 851

GROUP NO.	COMPOUND WR/BN	MG/KG/DAY	MICRONIZED	NO. OF MICE DEAD/ DAY DIED	NO. OF MICE ALIVE DAY + 60/TOTAL
1	CONTROL	0		5/8 2/9	0/7
2	DIHYDRO QHS	320	YES		7/7
3	BM 05790	80	YES	1/17 1/24 1/29	4/7
4		20	YES	2/16 1/20 1/22 1/24 1/26 1/27	0/7
5		5	YES	3/9 2/11 1/13 1/24	0/7
6		1.25	YES	3/8 3/9 1/11	0/7
7	DIHYDRO QHS	320	NO		7/7
8	BM 05790	80	NO	1/16 1/18	5/7
9		20	NO	2/12 1/17 1/20 1/22 1/23 1/28	0/7
10		5	NO	6/9 1/11	0/7
11		1.25	NO	3/8 4/9	0/7
12	169626	512	NO	1/18	6/7
13	BK 09350	256	NO	2/19 1/20 1/26 1/27	2/7

Female CD-1 mice 5 weeks old were used.

ARTEETHER ADMINISTERED ORALLY IN PEANUT OIL VS. HEC TO MICE INFECTED WITH PLASMODIUM BERGHEI (MM-LINE) EXPERIMENT 849

GROUP NO.	COMPOUND WR/BN	MG/KG/DAY X 3	ROUTE	VEHICLE	NO. OF MICE DEAD/ DAY DIED	NO. OF MICE ALIVE DAY + 60/TOTAL	AVG. PARA. DAY + 6	AVG. PARA. DAY + 13	AVG. PARA. DAY + 20
8	CONTROL	O			1/7 3/8 2/9	0/6	63	DEAD	
9	ARTEETHER	256	PO	HEC	1/18	5/6	0	0	0
10	BL 48816	64	PO	HEC	2/15 1/16 1/17 1/25	1/6	0	3.2	10
11		16	PO	HEC	2/14 2/19 1/20 1/22	0/6	0	34.8	60
12	ARTEETHER	256	PO	OIL		6/6	0	0	0
13	BL 48816	64	PO	OIL	1/16 1/17	4/6	0	0.5	0
14		16	PO	OIL	3/15 1/16 1/20	1/6	0	23.2	28.5

5 week old female CD-1mice were used.

ARTEETHER ADMINISTERED ORALLY IN PEANUT OIL VS. HEC TO MICE INFECTED WITH PLASMODIUM BERGHEI (MM-LINE) EXPERIMENT 849

GROUP NO.	COMPOUND WR/BN	MG/KG/DAY X 3	ROUTE	VEHICLE	AVG. PARA. DAY + 27	AVG. PARA. DAY + 34	AVG. PARA. DAY + 41	AVG. PARA. DAY + 48	AVG. PARA. DAY + 56
8	CONTROL	O			DEAD				
9	ARTEETHER	256	PO	HEC	0	0	0	0	0
10	BL 48816	64	PO	HEC	DEAD				
11		16	PO	HEC	DEAD				
12	ARTEETHER	256	PO	OIL	0	0	0	0	0
13	BL 48816	64	PO	OIL	0	0	0	0	0
14		16	PO	OIL	0	0	0	0	0

5 week old female CD-1mice were used.

WR 279675 ADMINISTERED ORALLY VS. SUBCUTANEOUSLY TO MICE INFECTED WITH PLASMODIUM BERGHEI (MM-LINE) EXPERIMENT 844

GROUP NO.	COMPOUND NO.	MG/KG/DAY	ROUTE	NO. OF MICE DEAD/ DAY DIED	NO. OF MICE ALIVE DAY + 60/TOTAL	AVG. PARA. DAY + 6	AVG. PARA. DAY + 13	AVG. PARA. DAY + 20	AVG. PARA. DAY + 27
8	CONTROL	0		5/8 2/9	0/7	65.4	DEAD		
9	279675	190	PO	2/16 1/17 1/20 1/23 1/25	1/7	0	19.3	22.7	0
10	BN 36147	47.5	PO	5/9 2/10	0/7	8.6	DEAD		
11		11.9	PO	6/8 1/10	0/7	70.3	DEAD		
12		3	PO	5/8 2/10	0/7	60.9	DEAD		
13		0.74	PO	3/8 4/9	0/7	64	DEAD		
14	279675	190	SC		7/7	0	0	0	0
15	BN 36147	47.5	SC	1/8 2/9 1/10 1/22	2/7	2.9	24.3	59.5	47
16		11.9	SC	3/8 4/9	0/7	60.9	DEAD		
17		3	SC	3/8 4/9	0/7	63.6	DEAD		
18		0.74	SC	3/8 4/9	0/7	66	DEAD		

Female CD-1 mice 5 weeks old were used.

WR 279675 ADMINISTERED ORALLY VS. SUBCUTANEOUSLY TO MICE INFECTED WITH PLASMODIUM BERGHEI (MM-LINE) EXPERIMENT 844

GROUP NO.	COMPOUND NO.	MG/KG/DAY	ROUTE	NO. OF MICE DEAD/ DAY DIED	NO. OF MICE ALIVE DAY + 60/TOTAL	AVG. PARA. DAY + 34	AVG. PARA. DAY + 41	AVG. PARA. DAY + 48	AVG. PARA. DAY + 56
8	CONTROL	0		5/8 2/9	0/7	DEAD			
9	279675	190	PO	2/16 1/17 1/20 1/23 1/25	1/7	0	0	0	0
10	BN 36147	47.5	PO	5/9 2/10	0/7	DEAD			
11		11.9	PO	6/8 1/10	0/7	DEAD			
12		3	PO	5/8 2/10	0/7	DEAD			
13		0.74	PO	3/8 4/9	0/7	DEAD			
14	279675	190	SC		7/7	0	0	0	0
15	BN 36147	47.5	SC	1/8 2/9 1/10 1/22	2/7	35	DEAD		
16		11.9	SC	3/8 4/9	0/7	DEAD			
17		3	SC	3/8 4/9	0/7	DEAD			
18		0.74	SC	3/8 4/9	0/7	DEAD			

Female CD-1 mice 5 weeks old were used.

WR 279674 ADMINISTERED ORALLY VS. SUBCUTANEOUSLY TO MICE INFECTED WITH PLASMODIUM BERGHEI (MM-LINE) EXPERIMENT 842

GROUP NO.	COMPOUND WR/BN	MG/KG/DAY	ROUTE	NO. OF MICE DEAD/ DAY DIED	NO. OF MICE ALIVE DAY + 60/TOTAL	AVG. PARA. DAY + 6	AVG. PARA. DAY + 13	AVG. PARA. DAY + 20	AVG. PARA. DAY + 27
8	CONTROL	0		1/8 6/9	0/7		DEAD		
9	279674	180	PO	1/17 1/18 1/20 1/26	3/7				
10	BN 36138	45	PO	3/9 3/10 1/20	0/7		DEAD		
11		11.3	PO	2/8 4/9 1/12	0/7		DEAD		
12		2.8	PO	5/8 1/9 1/14	0/7		DEAD		
13		0.7	PO	6/8 1/9	0/7		DEAD		
14	279674	180	SC		7/7				
15	BN 36138	45	SC	2/9 1/11 1/12 1/18 1/20	1/7				
16		11.3	SC	4/8 3/9	0/7		DEAD		
17		2.8	SC	3/8 3/9 1/10	0/7		DEAD		
18		0.7	SC	1/8 6/9	0/7		DEAD		

Female CD-1 mice 5 weeks old were used.

WR 279674 ADMINISTERED ORALLY VS. SUBCUTANEOUSLY TO MICE INFECTED WITH PLASMODIUM BERGHEI (MM-LINE) EXPERIMENT 842

GROUP NO.	COMPOUND WR/BN	MG/KG/DAY	ROUTE	NO. OF MICE DEAD/ DAY DIED	NO. OF MICE ALIVE DAY + 60/TOTAL	AVG. PARA. DAY + 34	AVG. PARA. DAY + 41	AVG. PARA. DAY + 48	AVG. PARA. DAY + 56
8	CONTROL	0		1/8 6/9	0/7				
9	279674	180	PO	1/17 1/18 1/20 1/26	3/7				
10	BN 36138	45	PO	3/9 3/10 1/20	0/7				
11		11.3	PO	2/8 4/9 1/12	0/7				
12		2.8	PO	5/8 1/9 1/14	0/7				
13		0.7	PO	6/8 1/9	0/7				
14	279674	180	SC		7/7				
15	BN 36138	45	SC	2/9 1/11 1/12 1/18 1/20	1/7				
16		11.3	SC	4/8 3/9	0/7				
17		2.8	SC	3/8 3/9 1/10	0/7				
18		0.7	SC	1/8 6/9	0/7				

Female CD-1 mice 5 weeks old were used.

ANTIMALARIAL ACTIVITY OF WR 169626 ADMINISTERED ORALLY VS. SUBCUTANEOUSLY TO MICE INFECTED WITH PLASMODIUM BERGHEI (MM-LINE) EXPERIMENT 840

GROUP NO.	COMPOUND WR/BN	MG/KG/DAY X 3	NO. OF MICE DEAD/ DAY DIED	NO. MICE ALIVE DAY + 60/TOTAL
8	CONTROL	0	4/7 2/8	0/6
9	169626	256	1/12 1/17 1/20 1/22 1/24	2/7
10	BK 09350	64	1/9 1/12 1/15 1/16 2/18 1/20	0/7
11		16	1/7 1/8 3/9 1/12 1/16	0/7
12		4	3/8 1/8 4/9	0/7
13		1	2/7 1/8 4/9	0/7
14	169626	256	1/8	5/6
15	BK 09350	64		6/6
16		16	1/34	5/6
17		4	1/13 1/14 1/17 1/18 2/19	0/6
18		1	1/12 1/17 1/18 1/19 1/24	0/5
19		0.25	3/9 2/12 1/19	0/6

Female CD-1 mice 5 weeks old were used.

DURATION OF ACTION OF WR 238605 WHEN ADMINISTERED ORALLY ONCE ON EITHER DAY -3,-2 OR -1 BEFORE INFECTION WITH PLASMODIUM BERGHEI (MM-LINE) IN MICE (EXPERIMENT 839)

GROUP NO.	COMPOUND WR/BN	MG/KG	DAY OF TREATMENT	NO. OF MICE DEAD/ DAY DIED	NO. OF MICE ALIVE DAY + 60/TOTAL	AVG. PARA. DAY + 6	AVG. PARA. DAY + 13	AVG. PARA. DAY + 20	AVG. PARA. DAY + 27
2	238605	128	-3	1/7 1/12 1/21 1/30	1/5	0	0	0	0
3	BK 73252	32	-3	1/14 1/24	3/5	0	7	20	0
4		8	-3	1/9 1/10 2/12 1/15	0/5	0.2	39	DEAD	
5		2	-3	4/8 1/9	0/5	68	DEAD		
6	238605	128	-2	1/5 1/12 1/13 1/15	1/5	0	0	0	0
7	BK 73252	32	-2		5/5	0	0	0	0
8		8	-2	1/12 2/13 1/25 1/30	0/5	0	21	77	51
9		2	-2	3/9 1/10 1/12	0/5	11	DEAD		
10	238605	128	-1	1/5 1/12 1/15 1/31	1/5	0	0	0	0
11	BK 73252	32	-1		5/5	0	0	0	0
12		8	-1	2/13 2/14 1/17	0/5	0	20	DEAD	
13		2	-1	1/10 2/13 2/14	0/5	0	75	DEAD	
1	CONTROL	0		1/7 2/8 2/9	0/5	77	DEAD		

Drugs were mixed in HEC-Tween 80 and given to female CD-1 mice 5 weeks of age.

DURATION OF ACTION OF WR 238605 WHEN ADMINISTERED ORALLY ONCE ON EITHER DAY -3,-2 OR -1 BEFORE INFECTION WITH PLASMODIUM BERGHEI (MM-LINE) IN MICE (EXPERIMENT 839)

GROUP NO.	COMPOUND WR/BN	MG/KG	DAY OF TREATMENT	NO. OF MICE DEAD/ DAY DIED	NO. OF MICE ALIVE DAY + 60/TOTAL	AVG. PARA. DAY + 34	AVG. PARA. DAY + 41	AVG. PARA. DAY + 48	AVG. PARA. DAY + 56
2	238605	128	-3	1/7 1/12 1/21 1/30	1/5	0	0	0	0
3	BK 73252	32	-3	1/14 1/24	3/5	0	0	0	0
4		8	-3	1/9 1/10 2/12 1/15	0/5	DEAD			
5		2	-3	4/8 1/9	0/5	DEAD			
6	238605	128	-2	1/5 1/12 1/13 1/15	1/5	0	0	0	0
7	BK 73252	32	-2		5/5	0	0	0	0
8		8	-2	1/12 2/13 1/25 1/30	0/5	DEAD			
9		2	-2	3/9 1/10 1/12	0/5	DEAD			
10	238605	128	-1	1/5 1/12 1/15 1/31	1/5	0	0	0	0
11	BK 73252	32	-1		5/5	0	0	0	0
12		8	-1	2/13 2/14 1/17	0/5	DEAD			
13		2	-1	1/10 2/13 2/14	0/5	DEAD			
1	CONTROL	0		1/7 2/8 2/9	0/5	DEAD			

Drugs were mixed in HEC-Tween 80 and given to female CD-1 mice 5 weeks of age.

COMPARISON OF ORAL VS. SUBCUTANEOUS ACTIVITY OF BH 35430 IN MICE INFECTED WITH PLASMODIUM BERGHEI (MM-LINE)
EXPERIMENT 837

GROUP NO.	COMPOUND WR/BN	MG/KG/DAY	ROUTE	NO. OF MICE DEAD/ DAY DIED	NO. OF MICE ALIVE DAY + 60/TOTAL	AVG. PARA. DAY + 6	AVG. PARA. DAY + 13	AVG. PARA. DAY + 20
8	CONTROL	0		7/8	0/7	69.9	DEAD	
9		0.5	PO		7/7	0	0	0
10	BH 35430	0.25	PO	1/17 1/20 1/26	4/7	0	0	1.8
11		0.123	PO	1/15 3/19	3/7	0	3.3	0
12		0.063	PO	1/11 1/16 2/17 1/20 1/22	1/7	0.16	22.8	75
13		0.031	PO	1/10 2/14 1/15 1/18 1/19 1/20	0/7	10.1	60.5	DEAD
14		0.015	PO	1/8 1/10 1/15 1/16 1/17 1/22 1/24	0/7	22.4	45.8	71
15		0.008	PO	1/7 5/8 1/9	0/7	59	DEAD	
16		0.004	PO	1/7 4/8 1/9 1/13	0/7	67.9	DEAD	
17		0.5	SC		7/7	0	0	0
18	BH 35430	0.25	SC		7/7	0	0	0
19		0.123	SC	2/15 1/16 2/17	2/7	0	6	0
20		0.063	SC	1/14 1/17 2/19 2/20 1/21	0/7	0.4	20	79
21		0.031	SC	1/15 1/16 1/17 1/19 1/20 2/21	0/7	19.4	46.3	76
22		0.015	SC	1/8 2/17 1/18 1/19 2/20	0/7	54.6	75	DEAD
23		0.008	SC	2/7 4/8 1/10	0/7	65.6	DEAD	
24		0.004	SC	1/7 4/8 1/9 1/19	0/7	66.6	DEAD	
25		0.002	SC	5/8 1/9 1/10	0/7	60.6	75	DEAD

Female CD-1 mice 5 weeks of age were used.

COMPARISON OF ORAL VS. SUBCUTANEOUS ACTIVITY OF BH 35430 IN MICE INFECTED WITH PLASMODIUM BERGHEI (MM-LINE)
EXPERIMENT 837

GROUP NO.	COMPOUND WR/BN	MG/KG/DAY	ROUTE	AVG. PARA. DAY + 27	AVG. PARA. DAY + 34	AVG. PARA. DAY + 41	AVG. PARA. DAY + 48	AVG. PARA. DAY + 56
8	CONTROL	0		DEAD				
9		0.5	PO	0	0	0	0	0
10	BH 35430	0.25	PO	0	0	0	0	0
11		0.123	PO	0	0	0	0	0
12		0.063	PO	DEAD				
13		0.031	PO	DEAD				
14		0.015	PO	DEAD				
15		0.008	PO	DEAD				
16		0.004	PO	DEAD				
17		0.5	SC	0	0	0	0	0
18	BH 35430	0.25	SC	0	0	0	0	0
19		0.123	SC	0	0	0	0	0
20		0.063	SC	DEAD				
21		0.031	SC	DEAD				
22		0.015	SC	DEAD				
23		0.008	SC	DEAD				
24		0.004	SC	DEAD				
25		0.002	SC	DEAD				

Female CD-1 mice 5 weeks of age were used.

ACTIVITY OF WR 238605 WHEN ADMINISTERED ORALLY TO MICE ON EITHER DAY 1 OR 2 AFTER INFECTION WITH PLASMODIUM BERGHEI (MM-LINE) EXPERIMENT 836

GROUP NO.	COMPOUND WR/BN	MG/KG	DAY OF TREATMENT	NO. OF MICE DEAD/ DAY DIED	NO. OF MICE ALIVE DAY + 60/TOTAL
1	CONTROL	0		2/7 3/9	0/5
2	238605	128	1	1/11 1/13 1/16 1/17	1/5
3	BK 73252	32	1		5/5
4		8	1		5/5
5		2	1	2/10 2/11 1/12	0/5
6	238605	128	2	1/5 1/14 1/16 1/19 1/23	0/5
7	BK 73252	32	2		5/5
8		8	2	1/22	4/5
9		2	2	1/14 1/19	3/5

Female CD-1 mice 5 weeks old were used.

ANTIMALARIAL ACTIVITY OF SELECTED COMPOUNDS TESTED IN MICE INFECTED WITH PLASMODIUM BERGHEI (MM-LINE) EXPERIMENT 835

GROUP NO.	COMPOUND WR/BN	MG/KG/DAY X 3	ROUTE	VEHICLE	NO. OF MICE DEAD/ DAY DIED	NO. OF MICE ALIVE DAY + 60/TOTAL	AVG. PARA. DAY + 6
8	CONTROL	0			1/7 5/8 1/9	0/7	74.8
9	BN 36156	128	PO	HEC	2/9 2/10 1/11 1/18 1/20	0/7	7
10		128	PO	OIL	1/8 2/16 1/32	3/7	0
11	BN 36165	128	PO	HEC	1/9 1/10 2/11 1/12	0/5	6.9
12		128	PO	OIL	1/15 1/17 1/18	2/5	0
13	BN 36174	128	PO	HEC	2/9 2/10 1/20	0/5	7.8
14		128	PO	OIL	1/9 1/26	3/5	0
15	23336	64	PO	HEC	1/7 5/8 1/9	0/7	64.4
16	AG 14549	16	PO	HEC	1/7 6/8	0/7	69.1
17		4	PO	HEC	7/8	0/7	73.9
18		1	PO	HEC	1/7 4/8 2/9	0/7	66.7
19	242452	64	PO	HEC		7/7	0
20	BH 89143	16	PO	HEC	1/15 1/16 2/17 2/18 1/22	0/7	0.001
21		4	PO	HEC	1/7 4/8 2/9	0/7	60.3
22		1	PO	HEC	3/7 4/8	0/7	69.1
23	228979	1	PO	HEC	2/15 1/16 3/17 1/23	0/7	4.1
24	BH 08326	0.5	PO	HEC	3/7 1/8 2/9 1/11	0/7	49.6
25		0.25	PO	HEC	1/7 5/8 1/9	0/7	65

Female CD-1 mice 5 week of age were used.

ACTIVITY OF SELECTED COMPOUNDS ADMINISTERED ORALLY TO MICE INFECTED WITH PLASMODIUM BERGHEI (MM-LINE) EXPERIMENT 832

GROUP NO.	COMPOUND WR/BN	MG/KG/DAY X 3	NO. OF MICE DEAD/ DAY DIED	NO. OF MICE ALIVE DAY + 60/TOTAL
8	CONTROL	0	4/8 3/9	0/7
9	218042	64		7/7
10	BE 63966	16	2/17 1/19 1/24	3/7
11		4	1/8 3/9 1/18 2/21	0/7
12		1	5/8 1/9 1/10	0/7
13	218040	64		7/7
14	BE 64310	16	1/15 2/16 1/17 1/18 1/19 1/30	0/7
15		4	1/7 2/8 2/9 1/10 1/14	0/7
16		1	3/7 2/8 2/9	0/7
17	249975	64	2/21 1/25	4/7
18	BK 15474	16	1/10 1/11 1/12 1/13 1/15 1/18 1/21	0/7
19		4	4/8 3/9	0/7
20		1	6/8 1/10	0/7
21	249875	64		7/7
22	BK 12491	16	1/21 1/28	5/7
23		4	1/16 3/17 1/25 1/33	1/7
24		1	7/9	0/7

Female CD-1 mice 5 weeks old were used.

ANTIMALARIAL ACTIVITY OF SELECTED COMPOUNDS ADMINISTERED ORALLY TO MICE INFECTED WITH PLASMODIUM BERGHEI (MM-LINE)
EXPERIMENT 830

GROUP NO.	COMPOUND WR/BN	MG/KG/DAY X 3	NO. OF MICE DEAD/ DAY DIED	NO. OF MICE ALIVE DAY + 60/TOTAL
8	CONTROL	0	2/7 4/8 1/9	0/7
9	242575	32		7/7
10	BH 89750	8	1/15 2/16 1/18 1/21 1/23	1/7
11		2	2/8 2/9 1/11 1/12 1/21	0/7
12		0.5	6/8 1/9	0/7
13	228979	64	1/27	6/7
14	BH 08326	16		7/7
15		4	1/26	6/7
16		1	1/9 1/18 1/22 1/23 1/27 1/28	1/7
17	2977	64	1/18 1/19 1/21	4/7
18	ZN 08525	16	1/17 2/18 1/20 1/28	2/7
19		4	1/10 3/11 1/12 1/18 1/20	0/7
20		1	1/7 6/8	0/7
21	228258	64	1/25 1/32 1/35	4/7
22	BJ 23346	16	1/28	6/7
23		4	1/47	6/7
24		1	1/32 1/33 1/35 1/40	3/7
25		0.25	2/8 2/11 1/12 1/16 1/20	0/7

Female CD-1 mice 5 weeks old were used.

ARTEMISININ COUPLED TO POLYETHYLENE GLYCOL VS. ARTEMISININ ALONE ADMINISTERED PO VS. SC TO MICE INFECTED WITH PLASMODIUM BERGHEI (MM-LINE) EXPERIMENT 828

GROUP NO.	COMPOUND WR/BN	MG/KG/DAY X 3	ROUTE	NO. OF MICE ALIVE/ DAY DIED	NO. OF MICE ALIVE DAY + 60/TOTAL	AVG. PARA. DAY + 6
8	CONTROL	0	PO	2/7 3/8 2/9	0/7	68.9
9	BCP 031 =	32	PO	1/13 1/14 1/15 1/20 1/23 1/25 1/30	0/7	0
10	QHS +	8	PO	1/8 3/9 2/11 1/12	0/7	5.7
11	POLYETHYLENE	2	PO	2/7 2/8 3/9	0/7	59.1
12	GLYCOL	0.5	PO	2/7 3/8 2/9	0/7	76.7
13	ARTEMISININ	32	PO	1/7 1/8 2/9 1/11 1/12 1/21	0/7	15
14	(QHS)	8	PO	2/7 3/8 1/9 1/11	0/7	76.4
15	279423	2	PO	6/8 1/9	0/7	76.9
16	BN 35739	0.5	PO	2/8 5/9	0/7	67.6
17	BCP 031 =	32	SC	1/14 2/15 1/16 1/21 2/25	0/7	0
18	QHS +	8	SC	2/11 2/12 2/19 1/21	0/7	0
19	POLYETHYLENE	2	SC	1/8 3/9 1/10 1/12 1/19	0/7	8.6
20	GLYCOL	0.5	SC	3/8 3/9 1/10	0/7	54.1
21	ARTEMISININ	32	SC	2/12 1/15 1/21 1/23 1/27 1/33	0/7	0
22	(QHS)	8	SC	1/8 3/9 1/10 1/12 1/14	0/7	14.9
23	279423	2	SC	4/8 2/9 1/11	0/7	54.9
24	BN 35739	0.5	SC	3/7 2/8 2/9	0/7	57.1
25	CONTROL	0	SC	2/7 3/8 2/9	0/7	65.3

Female CD-1 mice were 5 weeks old.

DURATION OF ACTIVITY OF SELECTED ANTIMALARIALS ADMINISTERED ORALLY ONCE TO MICE 4 HOURS PRIOR TO INFECTION WITH PLASMODIUM BERGHEI (MM-LINE) EXPERIMENT 826

GROUP NO.	COMPOUND WR/BN	MG/KG	NO. OF MICE DEAD/ DAY DIED	NO. OF MICE ALIVE DAY + 60/TOTAL
1	CONTROL	0	4/8 1/9	0/5
2	FLOXACRINE	32	1/13 1/14 3/15	0/5
3	BL 20630	8	2/11 1/12 2/13	0/5
4		2	4/8 1/9	0/5
5		0.5	3/8 2/9	0/5
6	SULFADOXINE	32	1/14	4/5
7	ZP 27829	8	1/10 2/11 1/14 1/22	0/5
8		2	2/8 2/9 1/12	0/5
9		0.5	4/8 1/10	0/5
10	DAPSONE	32	2/8 2/9 1/14	0/5
11	ZB 69096	8	4/8 1/12	0/5
12		2	4/8 1/9	0/5
13		0.5	5/8	0/5
14	158122	32	1/8 3/9 1/11	0/5
15	AY 65859	8	4/8 1/10	0/5
16		2	4/8 1/9	0/5
17		0.5	4/8 1/9	0/5
18	CYCLOGUANIL	32	4/8 1/9	0/5
19	ZP 44759	8	4/8 1/9	0/5
20		2	4/8 1/9	0/5
21		0.5	5/8	0/5

Female CD-1 mice 5 weeks old were used.

ANTIMALARIAL ACTIVITY OF SULFADOXINE AND DAPSONE ADMINISTERED ORALLY TO MICE INFECTED WITH PLASMODIUM BERGHEI (MM-LINE) EXPERIMENT 825

GROUP NO.	COMPOUND WR/BN	MG/KG/DAY X 3	NO. OF MICE DEAD/ DAY DIED	NO. OF MICE ALIVE DAY + 60/TOTAL
25	CONTROL	0	3/8 2/9 1/10 1/12	0/7
8	SULFADOXINE	256		7/7
9	ZP 27829	128		7/7
10		64	1/35	6/7
11		32	1/22	6/7
12		16	1/21 1/23	5/7
13		8	1/18 1/19 1/20 1/29 1/34	2/7
14		4	1/13 1/16 1/17 1/19 1/21 1/41	1/7
15		2	2/15 1/16 1/17 1/18 1/29	1/7
16		1	1/11 1/12 2/17 1/21 1/22 1/27	0/7
17	DAPSONE	256	1/15 1/17 1/19	4/7
18	ZB 69096	128	1/25	6/7
19		64	2/16 1/19	4/7
20		32	1/15 1/16 1/18 1/24 1/25 1/26	1/7
21		16	2/16 1/19 1/20 1/25 2/28	0/7
22		8	1/12 1/15 1/18 2/21 1/24 1/28	0/7
23		4	1/11 1/12 1/14 2/15 1/18 1/21	0/7
24		2	1/10 2/12 1/18 1/20 1/21 1/24	0/7

Female CD-1 mice 5 weeks old were used.

ANTIMALARIAL ACTIVITY OF PYRROLOQUINAZOLINES ADMINISTERED ORALLY TO MICE INFECTED WITH PLASMODIUM BERGHEI (MM-LINE) EXPERIMENT 824

GROUP NO.	COMPOUND WR/BN	MG/KG/DAY X 3	NO. OF MICE DEAD/ DAY DIED	NO. OF MICE ALIVE DAY + 60/TOTAL
28	CONTROL	0	2/8 4/9 1/10	0/7
8	229592	64	1/19 1/20 1/24 2/25 1/27	1/7
9	ZP 33005	4	5/10 1/11 1/12	0/7
10		1	1/8 2/9 2/10 2/11	0/7
11		0.5	4/8 2/9 1/11	0/7
12	230131	64	2/4 4/10 1/15	0/7
13	ZP 33014	4	1/8 3/9 2/10 1/11	0/7
14		1	3/8 2/9 2/10	0/7
15		0.5	1/8 5/9 1/10	0/7
16	233143	64	1/7 1/10	5/7
17	ZP 45961	4	1/8 3/12 1/13 1/22	1/7
18		1	1/11 2/12 1/13 3/15	0/7
19		0.5	1/8 3/10 2/11	0'6
20	226337	64	1/9	6/7
21	ZP 45998	4	1/16 1/21 1/23 1/28	3/7
22		1	1/8 2/11 1/12 1/15 1/22	1/7
23		0.5	2/10 2/11 1/15 1/16 1/20	0/7
24	230687	64	1/7 1/21 1/26	4/7
25	BH 50400	4	2/9 1/10 4/11	0/7
26		1	1/9 3/10 3/11	0/7
27		0.5	1/8 2/9 4/10	0/7

Female CD-1 mice 5 weeks old were used.

GROUP NO.	COMPOUND WR/BN	MG/KG/DAY X 3	NO. OF MICE DEAD/ DAY DIED	NO. OF MICE ALIVE DAY + 60/TOTAL
8	225329	64	1/17 1/18 1/19 2/20 1/23	0/6
9	ZP 32955	4	2/9 1/10 1/15 1/17 1/18 1/26	0/7
10		1	1/8 2/9 1/10 1/11 1/15 1/20	0/7
11		0.5	3/8 3/9 1/18	0/7
12	228277	64	1/5 1/17 1/19 1/20 1/30	2/7
13	ZP 32973	4	1/8 3/9 3/11	0/7
14		0.1	3/8 1/9 2/10 1/19	0/7
15		0.5	6/9 1/10	0/7
16	229212	64		7/7
17	ZP 32982	4	2/16 1/17 2/18 1/26 1/29	0/7
18		1	1/9 4/10 1/17 1/22	0/7
19		0.5	1/8 1/9 2/10 1/17 1/18 1/26	0/7
20	229207	64	1/10 2/17	4/7
21	ZP 32991	4	2/11 1/13 1/15 2/19 1/22	0/7
22		1	2/9 2/10 1/13 1/16 1/18	0/7
23		0.5	1/8 5/9 1/10	0/7
24	CONTROL	0	6/9 1/9	0/7

GROUP NO.	COMPOUND WR/BN	MG/KG/DAY X 3	NO. OF MICE DEAD/ DAY DIED	NO. OF MICE ALIVE DAY + 60/TOTAL
8	WR235155	64		7/7
9	BJ42681	4		7/7
10		1	2/10 1/12 1/13 1/18 1/24 1/25	0/7
11		0.5	1/9 4/10 1/11 1/12	0/7
12	WR230677	64	2/11 1/13 1/16 1/20 2/22	0/7
13	BJ46616	4	4/9 4/10 1/11	0/7
14		1	1/9 6/10	0/7
15		0.5	4/9 3/10	0/7
16	WR237767	64		7/7
17	BJ46625	4	1/9 5/10 1/11	0/7
18		1	3/9 3/10 1/11	0/7
19		0.5	1/9 3/10 2/11 1/16	0/7
20	WR239164	64	1/20	6.7
21	BJ46634	4	2/10 1/11 2/12 1/16 1/24	0/7
22		1	3/10 1/11 3/12	0/7
23		0.5	4/9 2/10 1/11	0/7
24	CONTROL	0	3/8 3/9 1/3	0/7

(Experiment 818)

GROUP NO.	COMPOUND WR/BN	MG/KG DAY X 3	NO. OF MICE DEAD/ DAY DIED	NO. OF MICE ALIVE DAY + 60/TOTAL
1	CONTROL	0	2/7 3/8	0/5
2	CLOROQUINE	32	3/10 1/11	1/5
3	AU29291	8	4/9 1/10	0/5
4		2	1/7 4/8	0/5
5		0.5	4/8 1/9	0/5
6	MEFLOQUINE	32		5/5
7	BK11592	8	1/8 3/9 1/10	0/5
8		2	3/8 1/9	0/5
9		0.5	4/8 1/11	0/5
10	HALOFANTRINE	32		5/5
11	BK64002	8	1/13 1/14	3/5
12		2	3/8 1/9 1/10	O/5
13		0.5	2/7 3/8	0/5
14	PRIMAQUINE	32	4/9 1/10	0/5
15	AU29317	8	3/7 2/8	0/5
16		2	4/7 1/8	0/5
17		0.5	1/7 3/8 1/9	0/5
18	WR238605	32	2/7 1/6	2/5
19	BK73252	8	1/14	4/5
20		2	2/9 1/10 2/11	0/5
21		0.5	1/7 3/8 1/9	0/5
22	QUININE	32	3/7 2/8	0/5
23	BG59659	8	1/17 3/8 1/9	0/5
24		2	1/7 4/8	0/5
25		0.5	4/8 1/9	0/5

(Experiment 817)

GROUP NO.	COMPOUND WR/BN	MG/KG/DAY X 3	NO. OF MICE DEAD/ DAY DIED	NO. OF MICE ALIVE DAY + 60/TOTAL
7	CONTROL	0	4/8 2/9 1/14 1/20	0/7
8	BH49452	64		7/7
9	WR229593	4	1/15 1/16 1/18 2/19 1/20	1/7
10		1	4/9 2/10 1/19	0/7
11		0.5	4/9 1/10 1/14 1/20	0/7
12	BH50357	64		7/7
13	WR236761	4	1/15 1/17 1/18 2/19 1/20	1/7
14		1	1/7 2/8 1/11 2/16 1/17	0/7
15		0.5	4/8 1/9 1/10	1/7
16	BH78711	64		7/7
17	WR232716	4	1/19	6/7
18		1	2/9 1/12 1/13 1/15 2/22	0/7
19		0.5	3/9	4/7
20	BJ01662	64	1/17 1/20 1/29	4/7
21	WR237536	4	2/8 1/10 1/18 2/19 1/20	0/7
22		1	4/9 1/10 1/11 1/14	0/7
23		0.5	1/8 5/9	1/7
24	CONTROL	0	2/7 3/8 1/11 1/12	0/7
25	MEFLOQUINE	128	1/10	6/7

GROUP NO.	COMPOUND WR/BN	MG/KG/DAY X 3	NO. OF MICE DEAD/ DAY DIED	NO. OF MICE ALIVE DAY + 60/TOTAL
7	CONTROL	0	5/8 2/9	0/7
8	BH49416	64		7/7
9		4	1/10 3/11 1/12 1/19 1/22	0/7
10		1	1/11 2/12 1/13 1/20 1/21	0/6
11		0.5	3/9 2/10 2/17	0/7
12	BH49443	64	1/8 1/11 1/27	4/7
13		4	1/14 1/17 2/19 1/21 1/23 1/29	0/7
14		1	1/8 1/9 1/10 2/16 1/17 1/19	0/7
15		0.5	1/8 4/9 1/10 1/13	0/7
16	WR227825	0.5		7/7
17	BH35430	0.125	1/14 2/15 1/16 1/17 1/18 1/27	0/7
18		0.0315	2/9 1/10 1/151/16 1/17 1/19	0/7
19	WR227825	0.0158	1/12 1/14 1/15 1/18 2/19 1/21	0/7
20	BH35430	0.5		7/7
21		0.125	1/16 2/19 1/20 1/25	2/7
22		0.0315	1/9 3/16 1/17 1/20 1/22	0/7
23		0.0158	1/8 1/15 2/16 1/18 2/21	0/7
24	MEFLOQUINE	64	1/22 1/25 1/30	4/7
25		0	4/8 2/9	1/7

(Experiment 814)

GROUP NO.	COMPOUND WR/BN	MG/KG/DAY X 3	NO. OF MICE DEAD/ DAY DIED	NO. OF MICE ALIVE DAY + 60/TOTAL
8	PYROLO	0.25	1/15 3/16 1/18 1/21	1/7
9		0.125	1/11 1/15 2/18 1/19 2/27	0/7
10		0.0625	1/13 1/15 2/16 1/20 1/21 1/22	0/7
11		0.0315	1/8 1/9 1/10 1/13 1/15 1/29	1/7
12	SULFADIAZINE	1	1/10 1/13 2/17 1/20	2/7
13		0.5	4/8 1/9 1/20 1/23	0/7
14		0.25	1/8 5/9 1/13	0/7
15		0.125	4/8 2/9 1/10	0/7
16	PYROLO +	0.25 + 1	1/9 1/20	5/7
17	SULFADIAZINE	0.125 + 1	1/21 1/28	5/7
18		0.0625 + 1	1/14 1/16 1/17 1/28	3/7
19		0.0315 + 0.125	1/12 1/14 2/16 2/17 1/20	0/7
20	PYROLO +	0.25 + 0.5	1/28	6/7
21	SULFADIAZINE	0.125 + 0.25	1/17	6/7
22		0.0625 + 0.125	2/15 1/16 1/18 1/20	2/7
23		0.0315 + 0.0625	1/14 1/17 1/20 3/21 1/24	0/7
24	PYROLO +	0/5 + 2		7/7
25	SULFADIAZINE	0/5 + 1		7/7

(Experiment 784)

GROUP #	DRUG #	MKD 3X	ROUTE	VEHICLE	PARASITE LINE	NO. DEAD MICE/ DAY DIES	NO. MICE ALIVE DAY + 60/TOTAL
1	Control	0	PO	HEC	MM-Line	3/7 2/8 1/9 1/10	0/7
2	Sulfadiazine	4				2/10 1/13 3/18 1/21	0/7
	BG59677						
3		1				1/9 2/11 2/18 1/19 1/22	0/7
4		0.25				1/7 1/8 2/9 3/10	0/7
5		0..0625				1/7 1/8 4/9 1/11	0/7
6	Quinacrine	4				1/9 2/10 1/12 1/13 1/16 1/17	0/7
	AU96336						
7		1				3/7 2/8 2/9	0/7
8		0.25				1/7 5/8 1/9	0/7
9		0.0625				2/7 1/8 4/9	0/7
10	Arteether	4				4/8 2/9 1/11	0/7
	BL48816						
11		1				1/7 2/8 3/9 1/10	0/7
12	Sulfadiazine	4	SC	Oil		1/12 1/13 1/14 2/18 1/19 1/20	0/7
	BG59677						
13		1				1/8 1/9 1/10 1/12 1/17 1/18 1/20	0/7
14		0.025				2/8 3/9 1/10 1/25	0/7
15		0.0625				5/8 2/9	0/7
16	Quinacrine	4				1/8 5/9 1/18	0/7
	AU96336						
17		1				2/7 3/8 1/9 1/10	0/7
18		0.25				2/7 3/8 2/9	0/7
19		0.0625				3/8 4/9	0/7
20	Arteether	4				1/7 1/8 2/9 1/10 1/16 1/18	0/7
	BL48816						
21		1				1/7 4/8 2/9	0/7

(Experiment 782)

GROUP #	DRUG #	MKD 3X	ROUTE	VEHICLE	PARASITE LINE	NO. DEAD MICE/ DAY DIED	NO. MICE ALIVE DAY + 60/TOTAL
4	Control	0			Mefloquine-	2/12 2/15 1/16 2/19	0/7
					Resistant line		
5	Phenantramine	256				2/19 1/24 1/28	3/7
	30502						
6		64				1/17 1/18 1/20 3/21 1/26	0/7
7		32				1/16 1/17 1/18 1/19 2/20 1/21	0/7
8		16				3/18 1/20 1/22 2/23	0/7
9		4				1/15 1/17 1/18 2/19 1/20 1/21	0/7
10		1				1/15 3/16 1/18 1/19 1/21	0/7
11		0.25				1/8 1/13 1/17 1/19 2/21 1/28	0/7
12	Mefloquine	256				1/9 1/12 1/28 1/38	3/7
13		64				1/20 2/21 1/22 1/26 1/32	1/7
14		32				1/18 3/19 2/20 1/21	0/7
15		16				2/17 2/18 2/20 1/21	0/7
16		4				1/12 1/13 1/15 2/16 1/18 1/19	0/7
17		1				2/12 1/14 1/15 1/18 1/19 1/20	0/7
18		0.25				1/12 2/15 1/16 1/17 1/18 1/19	0/7
19	Control	0			C-line	1/15 4/17 1/20 1/21	0/7
20	30502	256				1/25 2/27 1/32	3/7
	Phenantramine						
21		64				1/27 1/28 1/35	4/7
22		32				1/25 1/32	5/7
23		16				1/23 1/26	5/7
24		4				1/16 2/17 1/18 1/20 1/27	6/6
25		1				1/15 1/18 1/19 1/20	3/7
26		0.25				1/15 1/16 1/17 2/18 1/19 1/21	0/7
27	Chloroquine	128				2/17 1/18 2/19 1/21	1/7
28		64				1/15 1/17 1/118 2/20 1/21 1/28	0/7
29		32				1/17 2/18 2/20 1/45	1/7
30		16				1/15 1/18 1/19 3/21 1/22	0/7

(Experiment 782)

GROUP	DRUG	MKD	ROUTE	VEHICLE	PARASITE	NO. DEAD MICE/	NO. MICE ALIVE
#	#	3X			LINE	DAY DIED	DAY + 60/TOTAL
31		4				1/17 1/18 1/20 3/21 1/22	0/7
32		1				2/17 2/18 1/20 2/28	0/7

(Experiment 781)

GROUP #	DRUG #	MKD 3X	ROUTE	VEHICLE	PARASITE LINE	NO. DEAD MICE/ DAY DIED	NO. MICE ALIVE DAY + 60/TOTAL
4	Control	0			MM Pb-line	4/8 3/9	0/7
5	WR102796	64				3/18 1/21 1/22	2/7
	BC78878						
6		16				1/15 2/18 1/19 1/21 1/23 1/32	0/7
7		4				1/15 2/16 2/17 1/21 1/26	0/7
8		1				1/11 3/13 1/15 1/21 1/25	0/7
9		0.25				6/9 1/15	0/7
10		0.062				2/8 4/9 1/10	0/7
11	WR228258	16				1/26	6/7
	BJ23346						
12		4				1/28	6/7
13		1				1/17 1/28 1/39	4/7
14		0.25				2/8 2/9 1/15 2/23	0/7
15	WR228258	16	SC	Oil		1/22 1/29	5/7
	BJ23346						
16		4					7/7
17		1				1/21 1/26 1/27 1/29 1/32 1/34	1/7
18		0.25				2/9 2/15 1/16 1/17 1/23	0/7
19	WR102796	64					7/7
	BC78878						
20		16				1/31	6/7
21		4				1/19	6/7
22		1					7/7
23		0.25				1/10 1/11 1/15 2/19 1/23 1/29	0/7
24		0.062				4/9 1/11 1/13 1/15	0/7

(Experiment 778)

GROUP #	DRUG #	MKD 3X	ROUTE	VEHICLE	PARASITE LINE	NO. DEAD MICE/ DAY DIED	NO. MICE ALIVE DAY + 60/TOTAL
7	Control	0			MM-line	1/6 2/8 2/9 2/10	0/7
8	Penantramine	128					7/7
	#3	64				1/23 1/32	5/7
9	503						
10		16				1/9 1/10 1/13 1/16 1/18 1/20 1/21	0/7
11		4				3/8 2/9 1/11 1/12	0/7
12		1				1/7 5/8 1/11	0/7
13		0.25				2/7 5/8	0/7
14	Control	0	SC	Oil		1/7 3/8 2/9 1/12	0/7
15	Penantramine	128				1/25	6/7
	#3	64				1/25 1/32	5/7
16	503						
17		16				6/8 1/9	0/7
18		4				3/8 3/9 1/14	0/7
19		1				6/8 1/13	0/7
20		0.25				3/7 3/8 1/9	0/7
21	Pyrimethamine	128	PO			4/4	3/7
22	WR238605	16	SC				7/7
23	Primaquine	16	SC			2/14 1/15 3/16	1/7
24	Arteether	256	SC				7/7
25	WR148999	256	SC				7/7

(Experiment 759)

GROUP #	DRUG #	MKD 3X	ROUTE	VEHICLE	PARASITE LINE	NO. DEAD MICE/ DAY DIED	NO. MICE ALIVE DAY + 60/TOTAL
1	Control	0	PO	Sterile H_2O	MM-Line	7/8 1/9	0/8
2	WR279359	128				1/19	6/7
	BM114904						
3	Complex w/	64				1/16 1/20 1/21 2/27	2/7
	Cyclodextran						
4	used	32				3/15 1/19 2/24	1/7
	BM11609 DHA						
5		16				1/11 1/12 1/14 1/15 1/16 1/20 1/22	0/7
6		8		HEC		1/8 2/9 3/10 1/12	0/7
7		4				4/8 1/9 2/10	0/7
8	BL35784	128				1/17 1/19 1/24 1/26	3/7
9	PURE DHA	64				3/16 1/17 1/24 1/27	1/7
10		32				1/12 2/13 1/21 1/23 2/24	0/7
11		16				1/9 1/10 1/11 1/12 1/15 1/19 1/28	0/7
12		8				2/8 3/9 1/12 1/13	0/7
13		4				5/8 2/9	0/7
14	WR279359	128	IP	Sterile H_2O		1/19 1/27	5/7
	BM14904						
15	Complex w/	64				2/18	5/7
	Cyclodextran						
16	used	32				3/15 1/16 1/21 1/22 1/23	0/7
	BM11609 DHA						
17		16				2/15 1/19 1/21 1/22 1/23 1/24	0/7
18		8				1/11 1/12 2/13 1/15 1/24 1/27	0/7
19		4				4/9 1/10 1/12 1/20	0/7
20	BL35784	128		HEC		1/16	6/7
	Pure drug						
21		64				1/16 1/19	5/7
22		32				1/15 1/18 1/24 1/26 1/30	2/7
23		16				1/14 1/15 1/21 1/23 2/24 1/26	0/7

(Experiment 759)

GROUP	DRUG	MKD	ROUTE	VEHICLE	PARASITE	NO. DEAD MICE/	NO. MICE ALIVE
#	#	3X			LINE	DAY DIED	DAY + 60/TOTAL
24		8				1/12 1/13 1/14 1/20 1/21 1/22 1/24	0/7
25		4				1/10 4/11 1/12 1/19	0/7

(Experiment 757)

GROUP #	DRUG #	MKD 3X	ROUTE	VEHICLE	PARASITE LINE	NO. DEAD MICE/ DAY DIED	NO. MICE ALIVE DAY + 60/TOTAL
1	Control	0	SC	Oil	MM-Line	3/7 2/8 2/9	0/7
2	Mefloquine	512				1/10	3/4
	BG14436						
3		128				1/25	6/7
4		32				1/16 3/18 1/19 1/27 1/28	0/7
5		8				2/12 1/15 2/16 2/18	0/7
6	Cyclodextran complex w/	512				1/6 1/19 1/27	1/4
7	Mefloquine	128				2/18 1/19 1/23 1/34	2/5
	BM14806						
8		32				2/16 2/17 1/18 1/19	1/7
9		8				2/8 1/9 1/14 1/16 2/18	0/7
10	WR279312	200				1/9 2/11 1/14	0/4
	BM14436						
11		100				2/8 2/9	0/4
12		25				3/8 4/9	0/7
13		6.25				1/7 2/8 3/9 1/10	0/7
14	Control	0	PO	HEC		2/7 4/8 1/9	0/7
15	WR279312	200				1/7 1/9 1/13 1/15	0/4
	BM14244						
16		100				1/7 2/8 1/15	0/4
17		25				3/7 3/8 1/10	0/7
18		6.25				4/7 1/8 2/9	0/7
19	BM14244	300				1/12 1/13 2/28	0/4
20		75				1/7 1/8 2/9 1/10 1/11 1/14	0/7
21		18.8				4/7 1/8 1/9 1/10	0/7
22	BM13005	300				2/15 1/21 1/25	0/4

(Experiment 757)

GROUP	DRUG	MKD	ROUTE	VEHICLE	PARASITE	NO. DEAD MICE/	NO. MICE ALIVE
#	#	3X			LINE	DAY DIED	DAY + 60/TOTAL
23		75				1/8 3/9 3/10	0/7
24		18.8				5/8 2/9	0/7
25	Mum267717	160	SC	Oil		2/8 3/9	0/5
	BM13792						
26		40				1/7 2/8 2/9	0/5
27		10				1/7 2/8 1/10 1/13	0/5

(Experiment 755)

GROUP #	DRUG #	MKD 3X	ROUTE	VEHICLE	PARASITE LINE	NO. DEAD MICE/ DAY DIED	NO. MICE ALIVE DAY + 60/TOTAL
1	Control	0	PO	HEC	MM-line	2/7 5/8	0/7
2	WR113618	2048				3/3	0/3
	AX89489						
3		1024				2/3 1/4	0/3
4		512				1/2 4/4 1/5 1/6	0/7
5		256				1/4	6/7
6		128					7/7
7		64					7/7
8		32					7/7
9		8				1/20	6/7
10	BM10997	320				4/7 2/8 1/9	0/7
11		80				3/7 4/8	0/7
12		20				5/7 2/8	0/7
13		0	SC		Oil	4/7 1/8 2/9	0/7
14	BM10997	320				3/7 4/8	0/7
15		80				1/7 5/8 1/13	0/7
16		20				2/7 4/8 1/9	0/7
17	WR113618	2048				3/3	0/3
	AX89489						
18		1024				3/3	0/3
19		512				7/3	0/7
20		256				6/3 1/4	0/7
21		128				2/3 4/4	1/7
22		64				2/4	5/7
23		32				1/3 1/4 1/5 1/6 1/7	2/7
24		8				1/18 3/19 1/20 1/23	1/7

(Experiment 750)

GROUP #	DRUG #	MKD 3X	ROUTE	VEHICLE	PARASITE LINE	NO. DEAD MICE/ DAY DIED	NO. MICE ALIVE DAY + 60/TOTAL
1	Control	0	PO	HEC	P-Line	5/7	
2	BL50129	8				3/7 2/8 2/9	0/7
	QHS						
3		2				4/7 1/8 2/9	0/7
4		0.5				2/7 3/8 2/9	0/7
5		0.125				3/7 2/8 2/9	0/7
6	WR238605	1				1/22	6/7
7		0.5				2/20	5/7
8		0.25				2/7 3/8 1/9 1/25	0/7
9		0.125				2/7 3/8 2/9	0/7
10		0.0625				4/7 1/8 2/9	0/7
11	(16:1) QHS +	8 + 0.5				1/20 1/23	5/7
	WR238605						
12		4 + 0.25				3/7 1/20 1/27 1/28	1/7
13		2 + 0.125				3/7 2/8 2/9	0/7
14		1 + 0.0625				1/7 3/8 3/9	0/7
15	(8:1) QHS +	4 + 0.5				1/17 1/18 1/23	4/7
	WR238605						
16		2 + 0.25				1/8 1/9 1/20	4/7
17		1 + 0.125				3/7 2/8 2/9	0/7
18		0.5 + 0.0625				5/7 1/8 1/9	0/7

(Experiment 744)

GROUP #	DRUG #	MKD 3X	ROUTE	VEHICLE	PARASITE LINE	NO. DEAD MICE/ DAY DIED	NO. MICE ALIVE DAY + 60/TOTAL
1	Control	0	SC	HEC	MM-Line	5/8 1/9 1/10	0/7
2	WR99210	16					7/7
3	AU20967	8				1/16 1/26	5/7
4		2				1/15 1/16 2/18 1/19 1/20 1/23	0/7
5		0.5				1/7 1/11 1/14 4/16	0/7
6		0.125				1/7 3/8 2/9 1/12	0/7
7	Sulfadiazine	4				2/13 1/14 2/15 1/16 1/23	0/7
8	BG59677	1				1/13 1/15 1/16 1/19 1/21 1/22	0/7
9		0.25				1/7 1/8 1/9 1/13 1/14 1/18	1/7
10		0.125				1/7 5/8 1/10	0/7
11	99210 +	8 + 1				1/22	6/7
12	Sulfadiazine	2 + 0.25				2/16 3/17 1/21 1/24	0/7
12		0.5 + 0.06				1/9 1/15 2/16 1/18 1/20 1/21	0/7
14		8 + 4					
15		2 + 1				3/16 1/28	3/8
16		0.5 + 0.25				2/12 1/16 1/18 2/21 1/22	0/7
17	Brown Vial	0.2	PO			6/4 1/5	0/7
18	Mexico	0.1				2/4 1/5 2/6 1/7 1/16	9/7
19		0.05				3/8 1/9 2/12 1/15	0/7
20		0.025				2/7 4/8 1/9	0/7
21		0.0125				6/8 1/9	0/7

(Experiment 734)

GROUP #	DRUG #	MKD 3X	ROUTE	VEHICLE	PARASITE LINE	NO. DEAD MICE/ DAY DIED	NO. MICE ALIVE DAY + 60/TOTAL
1	Control	0	PO	HEC	P-Line	5/7 2/8	0/7
	New						
2	Phenantamine	256				1/4	6/7
	BM30502						
3		64					7/7
4		16					7/7
5		4				1/18	6/7
6		1				2/7 1/9 1/10 1/18 1/22 1/24	0/7
7	Halofantrine	16				1/22	5/6
	BK64002						
8		4				1/18 1/21 1/22 1/23	3/7
9		1				3/18 1/21	3/7
10	Mefloquine	16				1/20 1/21	5/7
	BK11592						
11		4				1/16 1/23	5/7
12		1				4/7 1/8 2/9	0/7
13	Control	0	SC	Oil		4/7 2/8 1/9	0/7
	New						
14	Phenantamine	256					7/7
	BM30502						
15		64					7/7
16		16					7/7
17		4				1/22	6/7
18		1				3/7 1/9 1/13 1/14 1/27	0/7
19	Halofantrine	16					7/7
	BK64002						
20		4					7/7
21		1				1/11 1/14 1/19 1/21	3/7

(Experiment 734)

GROUP #	DRUG #	MKD 3X	ROUTE	VEHICLE	PARASITE LINE	NO. DEAD MICE/ DAY DIED	NO. MICE ALIVE DAY + 60/TOTAL
22	Mefloquine	16				1/21	6/7
	BK11592						
23		4				3/13 1/19 1/20 2/22	0/7
24		1				5/7 2/8	0/7

(Experiment 733)

GROUP #	DRUG #	MKD 3X	ROUTE	VEHICLE	PARASITE LINE	NO. DEAD MICE/ DAY DIED	NO. MICE ALIVE DAY + 60/TOTAL
1	Control	0	PO	HEC	MM-Line	1/7 3/8 3/9	0/7
2	AW23860 Quinine	2048				3/3 4/4	0/7
3		1024				1/4 1/16 1/19 1/21 1/29	2/7
4		512				1/4 2/16 2/19 1/21 1/38	0/7
5		256				1/12 1/16 1/18 1/20 2/21 1/22	0/7
6		128				2/9 2/16 2/17 2/17 1/21	0/7
7		64				2/8 2/9 1/10 1/11 1/12	0/7
8		32				6/8 1/9	0/7
9		16				1/8 6/9	0/7
10		8				4/8 2/9 1/10	0/7
11		4				3/7 2/8 2/9	0/7
12	BL55866 Na Artelinate	2048				1/8	6/7
13		1024					7/7
14		512					7/7
15		256				1/18 2/21	4/7
16		128				3/15 1/16 1/20 1/26	1/7
17		64				3/15 2/16 1/24 1/26	0/7
18		32				3/11 1/13 1/16 2/24	0/7
19		16				5/9 1/11 1/13	0/7
20		8				1/7 3/8 2/9 1/11	0/7
21		4				2/7 3/8 2/9	0/7
22	Control	0	IV	Sterile Physiological Saline		4/7 1/8 2/9	0/7
23	Quinine AW23860	512				7/3	0/7
24		256				7/3	0/7
25		128				5/3	0/7
26		64				2/8 3/9 1/16 1/17	0/7
27		32				5/8 2/9	0/7
28		16				2/8 5/9	0/7
29		8				2/7 2/8 3/9	0/7
30		4				1/7 4/8 1/9 1/10	0/7

31	BL55866 Na Artelinate	512				7/3	0/7
32		256				4/6 1/7 1/8 1/20	0/7
33		128				3/9 1/10 1/11 1/14 1/21	0/7
34		64				2/9 1/11 2/19 2/20	0/7
35		32				1/8 4/9 1/10 1/20	0/7
36		16				1/7 1/8 4/9 1/12	0/7
37		8				4/7 1/9 2/10	0/7
38		4				3/7 2/8 2/9	0/7

(Experiment 731)

GROUP	DRUG	MKD	ROUTE	VEHICLE	PARASITE	NO. DEAD MICE	NO. MICE ALIVE
#	#	3X			LINE	DAY DIED	DAY + 60/TOATL
1	Control	0	PO	HEC	MM Line	2/8 5/9	0/7
2	AU96336	256					7/7
	Quinacrine						
3		64					7/7
4		16				1/19 1/20	5/7
5	BG59677	64				2/14 1/15 2/16 1/17 1/23	0/7
	Sulfadiazine						
6		16				3/14 1/15 1/16 1/17	0/6
7		4				1/12 1/13 2/14 1/15 1/16 1/18	0/7
8		1				1/10 1/11 1/14 1/17 1/19 1/20 1/22	0/7
9	AU76138	64				1/9 2/14 1/18 1/19 2/20	0/7
	Cycloguanil						
10		16				1/9 3/10 2/11 1/15	0/7
11		4				1/8 4/9 1/11 1/13	0/7
12		1				1/8 4/9 2/10	0/7
13	Control	0	SC	Oil		4/8 3/9	0/7
14	AU96336	256				1/45	6/7
	Quinacrine						
15		64				1/22	6/7
16		16				1/18 1/19 1/20 1/27	3/7
17	BG59677	64				2/18 2/20 2/21 1/41	0/7
	Sulfadiazine						
18		16				1/17 1/18 3/27 1/28 1/31	0/7
19		4				1/10 1/14 2/15 1/20 1/21 1/26	0/7
20		1				2/9 2/14 1/18 1/21 1/22	0/7
21	AU76138	64					7/7
	Cycloguanil						

(Experiment 731)

GROUP	DRUG	MKD	ROUTE	VEHICLE	PARASITE	NO. DEAD MICE	NO. MICE ALIVE
#	#	3X			LINE	DAY DIED	DAY + 60/TOATL
22		16					7/7
23		4				2/19 1/20 2/22 1/28 1/39	0/7
24		1				3/9 2/10 1/11 1/20	0/7

(Experiment 729)

GROUP	DRUG	MKD	ROUTE	VEHICLE	PARASITE	NO. DEAD MICE/	NO. MICE ALIVE
#	#	3X			LINE	DAY DIED	DAY + 60/TOTAL
1	Control	0	PO	HEC	Halofantrine	1/11 1/18 1/19	4/7
					Resistant line		
2	Halofantrine	256					7/7
	BK64002						
3		64					7/7
4		16					7/7
5	Arteether	256				1/24 1/37	5/7
	BL48816						
6		64				1/16 1/19 1/21	4/7
7		16				1/19 1/20	5/7
8		4				1/13 1/21 1/22	4/7
9	Na artelinate	256				1/18 1/23	5/7
	BL55866						
10		64				1/16 1/18 2/20	3/7
11		16				1/11 1/14 1/19 1/20 1/23	2/7
12		4				1/19 1/20 1/21	4/7
13	Sulfadoxine	16				1/6 1/20 1/23	4/7
	ZP27829						
14		4				1/19 2/20	5/7
15		0			Mefloquine	4/7 3/10	0/7
					Resistant line		
16	Mefloquine						7/7
	BK11592						
17						1/6	6/7
18						1/19 1/25	5/7
19						1/21	6/7

(Experiment 727)

GROUP #	DRUG #	MKD 3X	ROUTE	VEHICLE	PARASITE LINE	NO. DEAD MICE/ DAY DIED	NO. MICE ALIVE DAY + 60/TOTAL
1	Control	0	PO	HEC	Halofantrine	2/11 1/14 2/15 2/20	0/7
					Resistant Line		
2	Halofantrine	256					7/7
	BK64002						
3		64					7/7
4		16				1/9	6/7
5	Chloroquine	256					7/7
	BK58705						
6		64				1/17 1/18	5/7
7		16				2/16 1/17 1/18 1/21	2/7
8	Mefloquine	256				1/19	6/7
	BK11592						
9		64					7/7
10		16					7/7
11	Quinine	256				1/11 1/19	5/7
	AW23860						
12		64				1/18 1/20 1/22	4/7
13	Control	0			Mefloquine	1/6 1/7 5/8	0/7
					Resistant line		
14	Halofantrine	256					7/7
	BK64002						
15		64				1/5	7/7
16		16					6/7
17	Chloroquine	256				3/15 1/17 2/18 1/19	0/7
	BG58705						
18		64				1/13 1/15 2/18 1/25	2/7
19		16				1/11 1/15 1/16 1/20 1/25	2/7
20	Mefloquine	256				1/21	6/7

(Experiment 727)

GROUP	DRUG	MKD	ROUTE	VEHICLE	PARASITE	NO. DEAD MICE/	NO. MICE ALIVE
#	#	3X			LINE	DAY DIED	DAY + 60/TOTAL
	BK11592						
21		64					7/7
22		16				1/20 2/21 1/22	3/7
23	Quinine	256				1/13 3/14 1/17 1/18 1/19	0/7
	AW23860						
24		64				1/10 1/11 1/12 1/13 1/16 1/19	1/7

(Experiment 718)

GROUP #	DRUG #	MKD 3X	ROUTE	VEHICLE	PARASITE LINE	NO. DEAD MICE/DAY DIED	NO. MICE ALIVE DAY + 60/TOTAL
1	Control	0	PO	HEC	MM-Line	5/8 2/9	0/7
2	Mefloquine	512				1/8 1/9 1/27 1/31 1/35 1/48 1/52	0/7
	BK11592						
3		256				1/24 1/26 1/27 1/40	3/7
4		64				1/22	6/7
5	Halofantrine	256					7/7
	BK64002						
6	Quinine	1024				3/4 1/5 1/6 1/27 1/34	0/7
	AW23860						
7		512				1/5 1/16 1/24 1/27 1/30 1/34	1/7
8	Pyrimethamine	256				1/7 1/20	5/7
	AG65046						
9		64				1/13 1/15 1/19 1/22 1/24 1/28	1/7
10		16				1/14 1/17 2/18 1/20 1/27 1/31	0/7
11		4				2/10 1/13 3/18 1/19	0/7
12	Halofantrine	256	SC	HEC			7/7
	BK64002						
13	Quinine	1024				1/4 1/19 1/20	4/7
	AW23860						
14		512				1/4 1/18 1/28	4/7
15	Pyrimethamine	256					7/7
	AG65046						
16		64				1/26 1/27	5/7
17		16				1/14 1/18 2/30 1/34	2/7
18		4				2/9 1/10 2/13 1/17 1/18	0/7
19	WR238605	64				1/15 1/22 1/26 2/27	2/7

(Experiment 718)

GROUP	DRUG	MKD	ROUTE	VEHICLE	PARASITE	NO. DEAD MICE/DAY DIED	NO. MICE ALIVE
#	#	3X			LINE		DAY + 60/TOTAL
	BK73252						
20		16					7/7
21		4				1/13 2/14 1/15 1/16 1/18 1/19	0/7
22		1				1/8 3/9 3/13	0/7

(Experiment 717)

GROUP #	DRUG #	MKD 3X	ROUTE	VEHICLE	PARASITE LINE	NO.DEAD MICE/DAY DIED	NO. MICE ALIVE DAY + 60/TOTAL
1	Control	0	PO	HEC	R/P. Line	2/7 2/8 2/9 1/23	0/7
2	BJ91326	64				2/20 1/21 3/22	1/7
3		16				1/9 1/18 1/20 2/23	2/7
4		4				2/7 4/8 1/11	0/7
5		1				2/7 1/8 1/9 2/28 1/29	0/7
6	Pyrimethamine	16				1/24 1/28	5/7
	AG65046						
7		4				1/14 1/24	5/7
8		1				1/22 1/25	5/7
9		0.25				2/20 1/23	4/7
10	Sulfadiazine	16				1/24	6/7
	B659677						
11		4				2/24	5/7
12		1				2/22 2/23	3/7
13		0.25				1/16 1/20	5/7
14	99210 +	16. + 4				1/21 1/23 1/24 1/26	3/7
	Sulfadiazine						
15	AG65046	4 + 1				1/18 1/21	5/7
16		1 + 0.25				1/8 2/18 1/20 1/23	2/7
17	99210 +	16 + 4				1/16 1/26 1/28 1/31	3/7
	Sulfadiazine						
18	B659677	4 + 1				1/9 1/20 1/23	4/7
19		1 + 0.25				1/6 1/7 1/18 1/22	3/7
20	99210 +	16 + 1				1/18 1/20 1/21	4/7
	Pyrimethamine						
21	AG65046	4 + 0.25				3/20 1/21	3/7
22		1 + 0.0625				2/6 1/11 1/17 2/18 1/21	0/7

(Experiment 717)

GROUP	DRUG	MKD	ROUTE	VEHICLE	PARASITE	NO.DEAD MICE/DAY DIED	NO. MICE ALIVE
#	#	3X			LINE		DAY + 60/TOTAL
23	99210 +	16 + 0.25				1/20 2/21 1/22 2/25 1/28	0/7
	Sulfadiazine						
24	B659677	4 + 0.0625				1/6 1/10 1/21 1/23	3/7

(Experiment 717)

GROUP #	DRUG #	MKD 3X	AVG. PARA. DAY + 6
1	Control	0	51.1
2	BJ91326	64	0.4
3		16	2.5
4		4	62.9
5		1	53.5
6	Pyrimethamine	16	0
	AG65046		
7		4	0
8		1	0
9		0.25	0.9
10	Sulfadiazine	16	0
	B659677		
11		4	0
12		1	0
13		0.25	0.4
14	99210 +	16. + 4	0
	Sulfadiazine		
15	AG65046	4 + 1	0.001
16		1 + 0.25	0.001
17	99210 +	16 + 4	0
	Sulfadiazine		
18	B659677	4 + 1	0
19		1 + 0.25	0.3
20	99210 +	16 + 1	0.01
	Pyrimethamine		
21	AG65046	4 + 0.25	0.3
22		1 + 0.0625	1.9

(Experiment 717)

GROUP #	DRUG #	MKD 3X	AVG. PARA. DAY + 6
23	99210 +	16 + 0.25	0.2
	Sulfadiazine		
24	B659677	4 + 0.0625	6

(Experiment 716)

GROUP #	DRUG #	MKD 3X	ROUTE	VEHICLE	PARASITE LINE	NO. DEAD MICE/DAY DIED	NO. MICE ALIVE DAY + 60/TOTAL
1	Control	0	PO	HEC	PV	3/7 2/8 1/9 1/10	0/7
					Drug-sensitive		
2	Chloroquine	128				1/18 2/19 1/20 1/26	2/7
	BG58705						
3		64				4/17 1/18 1/29 1/33	0/7
4		16				2/15 3/16 1/17 1/24	0/7
5		4				1/9 1/10 1/11 1/12 2/19 1/20	0/7
6	Mefloquine	64				1/20 1/21 1/22	4/7
	BK64002						
7		16				2/17 2/18 1/19 1/24 1/30	0/7
8		4				3/16 1/18 1/19 2/21	0/7
9	Halofantrine	64					7/7
	BK64002						
10		16				1/20 1/33	5/7
11		4				2/17 2/18 1/20 1/34	1/7
12		1				1/10 1/11 1/18 1/20 1/21 2/22	0/7
13	Control	0			PVc chloroquine	4/7 3/8	0/7
					Resistant		
14	Chloroquine	128				1/4 1/5 1/13 1/15 1/18	2/7
	BG58705						
15		64				1/5 1/12 1/13 2/14 1/22	1/7
16		16				1/15 2/18 1/20	3/7
17		4				1/10 1/16	5/7
18	Mefloquine	128				1/18	6/7
	BK71592						
19		32				1/17	6/7
20		8				1/16 1/18 1/19	4/7
21	Halofantrine	128					7/7
	BK64002						

(Experiment 716)

GROUP	DRUG	MKD	ROUTE	VEHICLE	PARASITE	NO. DEAD MICE/DAY DIED	NO. MICE ALIVE
#	#	3X			LINE		DAY + 60/TOTAL
22		32					7/7
23		8					7/7
24		2				1/14 2/16	4/7

(Experiment 715)

GROUP #	DRUG #	MKD 3X	ROUTE	VEHICLE	PARASITE LINE	NO. DEAD MICE/DAY DIED	NO. MICE ALIVE DAY + 60/TOTAL
1	Control	0	PO	HEC	M M-Line	4/8 1/9 2/10	0/7
2	BE96296	1024				1/8 1/9 1/16	0/3
3		512				1/8 1/10 1/19	0/3
4		256				2/7 3/8 1/9 1/19	0/7
5		64				3/8 1/9 1/10 1/17 1/37	0/7
6		16				1/7 4/8 2/9	0/7
7		4				3/8 3/9 1/10	0/7
8	Halofantrine	2048				2/10 2/11 1/12 1/14 1/16	0/7
	BK64002						
9	Qunine	1024				1/3 4/4 1/5	1/7
	AW23860						
10	Pyrimethamine	512				7/3	0/7
	AG65046						
11	Quinacrine	1024				2/4 5/7	0/7
	AU96336						
12		512					
13	Control	0	SC	Oil		3/7 3/8 1/10	0/7
14	BE96296	1024				1/8 2/19	0/3
15		512				2/8 1/22	0/3
16		256					
17		64					
18		16					
19		4					
20	Halofantrine	2048					
	BK64002						

(Experiment 715)

GROUP	DRUG	MKD	ROUTE	VEHICLE	PARASITE	NO. DEAD MICE/DAY DIED	NO. MICE ALIVE
#	#	3X			LINE		DAY + 60/TOTAL
21	Quinine	1024					
	AW23860						
22	Pyrimethamine	512					
	AG65046						
23	Quinacrine	1024					
	AU96336						
24		512					
25	Phenantramine	512	PO	HEC			

(Experiment 714)

GROUP	DRUG	MKD	ROUTE	VEHICLE	PARASITE	NO. DEAD MICE/ DAY DIED	NO. MICE ALIVE
#	#	3X			LINE		DAY + 60 TOTAL
1	Control	0	PO	HEC	C-Line	1/16 1/17 1/18 1/19 1/21 1/23 1/26	0/7
2	Phenantramine	128			Chloroquine	1/5	6/7
					Resistant		
3		64					7/7
4		16				1/30	6/7
5		4				1/10 1/41	5/7
6		1				1/14 1/17 1/18 1/20 1/24	2/7
7		0.25				1/17 1/18 1/20 2/22 1/25 1/26	0/7
8	Chloroquine	128				3/18 1/19 1/22	2/7
	AU29891						
9		64				1/16 1/17 1/20 1/21 2/24 1/26	0/7
10		16				2/16 1/18 1/20 1/21 1/24 1/25	0/7
11		4				1/15 1/17 3/18 2/21	0/7
12		1				1/13 1/17 2/20 1/21 1/22 1/24	0/7
13	Control	0	PO		A-Line	2/10 1/17 1/18 1/19 1/20 1/21	0/7
14	Phenantramine	128			Mefloquine	1/4 1/5 1/20 1/25	3/7
					Resistant		
15		64				2/8 1/21 1/22	3/7
16		16				1/12 1/15 1/18 1/19 2/20 1/22	0/7
17		4				1/8 2/19 1/20 1/21 2/22	0/7
18		1				3/19 1/21 1/22 2/26	0/7
19		0.25				1/11 1/17 1/19 2/20 1/22 1/26	0/7
20	Mefloquine	128				1/5 1/22	5/7
	BK11592						
21		64				1/17 2/19 1/20 2/22 1/25	0/7
22		16				2/16 1/17 1/18 1/19 1/22 1/26	0/7
23		4				4/18 1/19 1/20 1/22	0/7
24		1				1/12 1/17 1/20 1/24 1/25 2/27	0/7

(Experiment 714)

GROUP	DRUG	MKD	AVERAGE PARASITEMIA			
#	#	3X	DAY + 6	DAY + 13	DAY + 20	DAY + 27
1	Control	0	1.2	40.3	79.3	DEAD
2	Phenantramine	128	1	0.01	0	0
3		64	1.5	0.2	4.9	9.3
4		16	0.7	0.3	11	47.3
5		4	0.2	2.1	31	46.8
6		1	1.5	33.1	70	57
7		0.25	2.3	40.4	72.8	59
8	Chloroquine	128	1.5	30.7	69	53
	AU29891					
9		64	2.5	43.7	61.5	57
10		16	2.1	37	72	DEAD
11		4	2.1	47.3	57.5	DEAD
12		1	1.9	34.3	60	DEAD
13	Control	0	15.8	64.6	84	DEAD
14	Phenantramine	128	5.4	40.4	90.8	88.7
15		64	11.5	51.1	86.2	73
16		16	6.6	57.7	78	DEAD
17		4	5.6	45.3	70.5	DEAD
18		1	6.9	55.1	69.5	DEAD
19		0.25	13.1	56.3	71	DEAD
20	Mefloquine	128	6.8	46.2	68.9	75.6
	BK11592					
21		64	4.9	46.7	73.3	DEAD
22		16	7.9	43.7	70.5	DEAD
23		4	4.6	54.1	55	DEAD
24		1	6.5	48.5	75.3	DEAD

(Experiment 713)

GROUP #	DRUG #	MKD 3X	ROUTE	VEHICLE	PARASITE LINE	NO. DEAD MICE/DAY DIED	NO. MICE ALIVE DAY + 60/TOTAL
1	Control	0	PO	HEC	M-M Line	3/7 2/8 2/9	0/7
2	BM10586	2048					3/3
3		1024					3/3
4		512					3/3
5		256					7/7
6		128					7/7
7		64				1/23 1/24	5/7
8		32					7/7
9		12				1/20 1/27 1/28 1/29	3/7
10		8				2/11 2/14 1/16	2/7
11		4				2/7 3/8 2/9	0/7
12	Chloroquine	1024				2/4 1/5	0/3
	AU29891						
13		512				1/19	2/3
14		256					7/7
15		128				1/16 1/17 1/19 1/21 1/22	2/7
16		64				1/17 3/18 1/23 1/24 1/28	0/7
17		32				2/16 2/17 1/18	2/7
18		12				1/14 3/16 1/24 2/25	0/7
19		8				1/14 1/15 1/17 2/25 1/27 1/28	0/7
20		4				1/9 3/10 2/11 1/16	0/7
21	Control	0	SC	Oil		2/8 4/9 1/10	0/7
22	BM10586	2048				1/24	2/3
23		1024					3/3
24		512					7/7
25		256					7/7
26		128				1/41	6/7
27		64				1/29	6/7
28		32				1/11 1/13 2/14 2/16 1/32	0/7
29		12				3/7 1/8 1/9 1/14 1/20	0/7

(Experiment 713)

GROUP #	DRUG #	MKD 3X	ROUTE	VEHICLE	PARASITE LINE	NO. DEAD MICE/DAY DIED	NO. MICE ALIVE DAY + 60/TOTAL
30		8				2/7 3/8 2/9	0/7
31		4				2/7 4/8 1/9	0/7
32	AU29891	1024				3/3	0/3
33		512				3/3	0/3
34		256				4/4 1/7 1/19	1/7
35		128				1/4 1/17 2/18 2/19	1/7
36		64				2/16 2/17 1/18 1/19 1/21	0/7
37		32				2/15 3/16 1/17 1/18	0/7
38		12				3/14 3/15 1/16	0/7
39		8				2/12 3/14 2/16	0/7
40		4				2/10 1/19 1/20 1/22 1/24 1/29	0/9
41	Halofantrine	1024	PO	HEC		1/10 1/12 1/13	1/4
42	BK64002	512					4/4
43	Halofantrine	1024	SC	Oil			4/4
44	BK64002	512					4/4
45	Mefloquine	1024	PO	HEC		1/8 1/9 1/10 1/11	1/4
	BK11592						
46	Mefloquine	1024	SC	Oil		1/5 1/13 1/16	1/4
	BK11592						

(Experiment 713)

GROUP #	DRUG #	MKD 3X	AVG. PARA. DAY + 6
1	Control	0	70
2	BM10586	2048	0
3		1024	0
4		512	0
5		256	0
6		128	0
7		64	0
8		32	0
9		12	0
10		8	4.8
11		4	59.1
12	Chloroquine	1024	DEAD
	AU29891		
13		512	0
14		256	0
15		128	0
16		64	0
17		32	0
18		12	0
19		8	0
20		4	0.4
21	Control	0	37.7
22	BM10586	2048	0
23		1024	0
24		512	0
25		256	0
26		128	0
27		64	0
28		32	3.7
29		12	62.7

(Experiment 713)

GROUP #	DRUG #	MKD 3X	AVG. PARA. DAY + 6
30		8	72
31		4	64.3
32	AU29891	1024	
33		512	
34		256	
35		128	
36		64	
37		32	
38		12	
39		8	
40		4	
41	Halofantrine	1024	
42	BK64002	512	
43	Halofantrine	1024	
44	BK64002	512	
45	Mefloquine	1024	
	BK11592		
46	Mefloquine	1024	
	BK11592		

(Experiment 712)

GROUP #	DRUG #	MKD 3X	ROUTE	VEHICLE	PARASITE LINE	NO. DEAD MICE/ DAY DIED	NO. MICE ALIVE DAY + 60/TOTAL
1	CONTROL	0	PO	HEC	NL line		7/7
2	QHS	64					7/7
3	BL50129	16					7/7
4		6					7/7
5	Quinacrine	16					7/7
6	AU96336	4					7/7
7		1					7/7
8		0.25					7/7
9	BK73252	32				1/10 1/11 2/18 1/34 1/55	1/7
10		8					7/7
11		2					7/7
12		0.5					7/7
13	Control	0			R/P Line	4/8 2/9 1/13	0/7
14	QHS	16				1/18 2/10 1/20	3/7
15	BL50129	16				1/8 1/9 1/16 1/19 1/26	1/7
16		4				6/8 1/9	0/7
17	Quinacrine	16				1/27	6/7
18	AU96336	4				1/8 2/10 2/12 1/12 1/26	0/7
19		1				1/7 3/8 1/9 1/14 1/16	7/7
20		0.25				2/7 4/8 1/9	7/7
21	BK73252	16				1/8 1/16 1/34	4/7
22		4				1/28	6/7
23		1				1/8 1/18 2/27 1/28	0/7
24		0.25				2/7 4/8 1/12	0.7

(Experiment 711)

GROUP #	DRUG #	MKD 3X	ROUTE	VEHICLE	PARASITE LINE	NO. DEAD MICE/ DAY DIED	NO. MICE ALIVE DAY + 60/TOTAL
1	Control	0	PO	HEC	Pb-Line	7/7	0/7
2	Phenantramine	256				1/9 2/11 2/12 1/15	1/7
3		64					7/7
4		16				1/21 1/24	5/7
5		4				1/23	6/7
6		1				1/10 1/16 1/17 1/19	3/7
7	Halofantrine	16				1/19	6/7
8	BK64002	4				1/19	6/7
9		1				1/11 1/18 1/19	4/7
10	Mefloquine	16					7/7
11	BK11592	4				1/9 1/11 2/12 2/23	1/7
12		1				6/7 1/9	0/7
13	Control	0	SC	HEC		7/7	0/7
14	Phenantramine	256				1/11 1/18	5/7
15		64					7/7
16		16					7/7
17		4				1/15 1/21 1/23 1/24	3/7
18		1				1/7 3/8	3/7
19	Halofantrine	16				1/21	6/7
20	BK64002	4				1/24	6/7
21		1				2/8 1/12 1/14 1/19	2/7
22	Mefloquine	16				1/18 1/19 1/20	4/7
23	BK11592	4				3/7 1/8 1/9 1/12	1/7
24		1				6/7 1/8	0/7

(Experiment 711)

GROUP	DRUG	MKD	AVERAGE PARASITEMIA			
#	#	3X	DAY + 6	DAY + 13	DAY + 20	DAY + 27
1	Control	0	62.2	DEAD		
2	Phenantramine	256	0.9	0.01	1	0
3		64	0.7	0.7	0.1	0
4		16	0.6	11.9	16.3	0
5		4	0.5	17	31.2	0
6		1	5	35	19.3	0.001
7	Halofantrine	16	0.01	7.4	10	0
8	BK64002	4	0.01	10.5	24.1	0.001
9		1	2.8	63.2	12.9	0
10	Mefloquine	16	0.01	58	6.2	0
11	BK11592	4	37.3	52	58.3	0
12		1	62.4	DEAD		
13	Control	0	69.1	DEAD		
14	Phenantramine	256	0.06	0.9	0	0
15		64	0.001	0.8	0.4	0
16		16	0	13.2	10.7	0
17		4	0.5	27.8	45.2	0
18		1	52.7	41.7	61.7	28
19	Halofantrine	16	0.6	8.4	21	0.001
20	BK64002	4	0.01	23.9	9.2	0
21		1	43.6	48.3	48.5	35.8
22	Mefloquine	16	7.7	19.7	12.9	0
23	BK11592	4	58.6	46	34	0
24		1	59.6	DEAD		

(Experiment 710)

GROUP #	DRUG #	MKD 3X	ROUTE	VEHICLE	PARASITE LINE	NO. DEAD MICE/DAY DIED	NO. MICE ALIVE DAY + 60/TOTAL
1	CONTROL	0	PO	HEC	*P. yoelii* (NL)		7/7
2	BK11592	16					7/7
3		4					7/7
4		1					7/7
5		0.25				1/6	6/7
6	AW23860	256					7/7
7		64					7/7
8		16					7/7
9		4					7/7
10	ZP27829	4					7/7
11		1					7/7
12		0.25					7/7
13	CONTROL	0			*P. yoelii* (L)	6/7 1/9	0/7
14		16				1/22 1/26 1/33	4/7
15		4				1/16 2/20	4/7
16		1				5/7 1/8 1/21	0/7
17		0.25				4/7 1/9 2/11	0/7
18	AW23860	256				2/22 1/23 1/25 1/31	2/7
19		64				2/18 2/19 1/20 1/22 1/23	0/7
20		16				4/7 1/24	2/7
21		4				2/7 3/8 1/9 1/22	0/7
22	ZP27829	4				1/19	6/7
23		1					7/7
24		0.25				3/19 2/20 1/23	1/7

(Experiment 709)

					PARASITE LINE		
GROUP	DRUG	MKD	ROUTE	VEHICLE	*P. yoelii*	NO. DEAD MICE/	NO. MICE ALIVE
#	#	3X			Non-lethal	DAY DIED	DAY + 60/TOTAL
1	Control	0	PO	HEC			7/7
2	Chloroquine	128					7/7
3	BG58105	64					7/7
4		32					7/7
5		16					7/7
6		4					7/7
7		2					7/7
8		1					7/7
9	Halofantrine	16					7/7
10	BK64002	4					7/7
11		1					7/7
12		0.25			*P. yoelii*		7/7
					Lethal R/P		
13	Control	0				5/7 2/8	0/7
14	Chloroquine	128				1/16 1/19 1/20 1/21	3/7
15	BG58705	64				2/20 2/21 1/25 1/44	1/7
16		32				2/19 1/21 2/25 1/27	1/7
17		16				1/16 1/19 1/20 1/21 1/23	2/7
18		4				1/19 1/21 1/23 1/32	3/7
19		2				3/7 4/8	0/7
20		1				4/7 3/8	0/7
21	Halofantrine	16				1/25	6/7
22	BK64002	4				1/13 1/21 1/22 1/23	3/7
23		1				1/19 3/20	3/7
24		0.25				1/6 2/7 3/8 1/10	0/7

(Experiment 709)

					PARASITE LINE	AVG. PARASITEMIA	
GROUP	DRUG	MKD	ROUTE	VEHICLE	*P. yoelii*	DAY + 13	DAY + 20
#	#	3X			Non-lethal		
1	Control	0	PO	HEC		23.6	0
2	Chloroquine	128				1.6	0
3	BG58105	64				5.1	0
4		32				16	0.001
5		16				12.8	0
6		4				19	0
7		2				18.1	0.01
8		1				24.4	0.01
9	Halofantrine	16				0	0.01
10	BK64002	4				0.83	0
11		1				13.7	0.01
12		0.25			*P. yoelii*	22.1	0.01
					Lethal R/P		
13	Control	0				DEAD	
14	Chloroquine	128				58.4	
15	BG58705	64				58.3	
16		32				53.9	
17		16				54.6	
18		4				54.9	
19		2				DEAD	
20		1				DEAD	
21	Halofantrine	16				1.3	
22	BK64002	4				23.5	
23		1				36.7	
24		0.25				DEAD	

(Experiment 708)

GROUP #	DRUG #	MKD 3X	ROUTE	VEHICLE	NO. DEAD MICE/ DAY DIED	NO. MICE ALIVE DAY + 60/TOTAL
1	Control	0	PO	HEC	1/7 5/8 1/9	0/7
2	Chloroquine	1024			6/4 1/5	0/7
3	GB58705	512			1/8 3/9 2/10	1/7
4		256				7/7
5		64			1/6 2/7 1/18 1/19 1/23	1/7
6		16			1/14 3/15 1/16 1/17 1/26	0/7
7		4			'1/10 1/14 1/18 1/19 1/20 1/22 1/24	0/7
8		2			1/10 1/13 2/18 1/19 1/20 1/21	0/7
9	Mefloquine	64			1/23 1/25 1/28 1/31	3/7
10	BK11592	16			1/18 1/22 1/26 1/28	3/7
11		4			1/10 1/11 2/20 3/22	0/7
12		1			2/7 4/8 1/9	0/7
13	Halofantrine	64			1/22 1/28 1/51	4/7
14	BK64002	16			1/20 1/33	5/7
15		4			1/15 1/17 3/19 1/20	1/7
16		1			1/9 1/12 1/18 4/19	0/7
17		0.25			6/8 1/9	0/7
18	Quinine	64			3/8 1/9 1/10 1/14 1/15	0/7
19	AW23860	16			1/7 4/8 1/9 1/10	0/7
20		4			2/7 4/8 1/9	0/7
21	WR238605	64			1/8 3/9 1/11 1/23	1/7
22	BK73252	16				7/7
23		4			1/17 1/19 1/22 1/23 1/33	2/7
24		1			2/13 2/16 2/17 1/21	0/7

(Experiment 707)

GROUP #	DRUG #	MKD 3X	ROUTE	VEHICLE	NO. DEAD MICE/DAY DIED	NO. MICE ALIVE DAY + 60/TOTAL
1	Control	0	PO	HEC	2/8 2/10 1/13 1/14 1/22	0/7
2	WR238605	64			1/8 1/17 1/22	3/7
3	BK73252	16				7/7
4		4			1/20 2/21 1/22	3/7
5		1			4/8 1/10 1/15 1/19	0/7
6	Primaquine	64			1/25	6/7
7	BJ08241	16			1/20 1/22	5/7
8		4			1/19 1/21 1/23 1/27	3/7
9		1			1/9 1/14 2/19 1/21 1/25 1/29	0/7
10	Chloroquine	64			1/19 2/21	4/7
11	BG58705	16			1/19 1/23 1/26	4/7
12		4			1/17 1/19 1/20 1/26	3/7
13		1			3/7 1/8 1/11 1/17 1/27	0/7
14	Mefloquine	64				7/7
15	BK11592	16			1/19	6/7
16		4			2/22	5/7
17		1			1/8 3/13 1/18 1/20 1/21	0/7
18	Halofantrine	64				7/7
19	BK64002	16				7/7
20		4			1/22 1/30	5/7
21		1			1/19 2/22 1/25 1/26	2/7
22	Quinine	64			1/12 1/16 2/19 1/21 1/22 1/23	0/7
23	AW23860	16			2/7 1/8 1/20 1/25 1/26 1/28	0/7
24		4			1/7 2/8 1/9 1/10 1/13 1/20	0/7

(Experiment 707)

GROUP #	DRUG #	MKD 3X	AVERAGE PARASITEMIA DAY + 6	DAY + 13	DAY + 20	DAY + 27
1	Control	0	22.1	41.3	57	DEAD
2	WR238605	64	0	0	0	0
3	BK73252	16	0	0	0	0
4		4	1.1	21.4	37.3	16.1
5		1	24.7	69.5	DEAD	
6	Primaquine	64	0	0.9	29.1	11
7	BJ08241	16	0	17.3	26.4	0
8		4	1.4	53.9	56.8	0
9		1	24.6	55.7	73.3	19
10	Chloroquine	64	0.9	54.4	20.2	0
11	BG58705	16	1	53.1	33.7	0
12		4	1	52.3	33.3	0
13		1	40.1	38	54	DEAD
14	Mefloquine	64	0.003	2.1	19.4	0
15	BK11592	16	0.001	6.9	49.4	52
16		4	0.4	12.9	41.1	0.01
17		1	15	36	43	DEAD
18	Halofantrine	64	0	0.4	0.01	0
19	BK64002	16	0	0.6	0.001	0
20		4	0	7.1	36.3	20.5
21		1	0.9	39.3	33.7	DEAD
22	Quinine	64	1.1	50.8	41.7	DEAD
23	AW23860	16	32.8	50	59.3	72
24		4	32.4	55	DEAD	

(Exepriment 706)

GROUP #	DRUG #	MKD 3X	ROUTE	VEHICLE	PARASITE LINE	NO. DEAD MICE/DAY DIED	NO. MICE ALIVE/DAY + 60/TOTAL
1	Control	0	PO	HEC	*P. Vinckei* Drug sensitive	2/7 4/8 1/10	0/7
2	Chloroquine	32				1/15 4/16 1/17 1/21	0/7
3	BG58705	8				3/14 2/15 1/16 1/23	0/7
4		2				3/9 1/11 1/13 2/18	0/7
5	Mefloquine	32				2/20 1/24	4/7
6	BL11502	8				3/16 1/18 1/27 1/29	1/7
7		2				2/8 3/9 1/12 1/13	0/7
8	Halofantrine	8				1/23 1/28	5/7
9	BK64002	2				1/4 2/15 1/18 1/19 1/21 1/28	0/7
10		0.5				5/8 1/9 1/10	0/7
13	Control	0			*P. Vinckei* Chloroquine-	2/7 2/8 3/9	0/7
14	Chloroquine	128			resistant	1/13 1/15 1/17 2/20	2/7
15	BG58705	32				2/11 1/14 1/16	3/7
16		8				1/11 1/12 1/14 1/15 1/20	2/7
17		2				3/9 2/10 1/15 1/21	0/7
18	Mefloquine	128				1/4 1/20 1/23	4/7
19	BK11592	2				1/8 1/9 1/12 1/13 1/14 1/16 1/20	0/7
20	Halofantrine	128					7/7
21	BK64002	32				1/21	6/7
22		8					7/7
23		2				1/12 1/14 1/18	4/7
24		0.5				1/8 3/9 2/10 1/13	0/7